	Application No.	Applicant(s)
Notice of Allowability	10/665,428	SAITO ET AL.
	Examiner	Art Unit
	Susan S. Lee	2852
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is s	n this application. If not included unication will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>amendment filed 5/9/</u>	<u>′05</u> .	
2. The allowed claim(s) is/are <u>1-8</u> .		
3. \boxtimes The drawings filed on <u>9/22/03 & 5/9/05</u> are accepted by th	e Examiner.	
 4.	e been received. e been received in Application cuments have been received of this communication to file MENT of this application. Initted. Note the attached EXA es reason(s) why the oath of the submitted. Son's Patent Drawing Reviews Amendment / Comment of the header according to 37 CF esit of BIOLOGICAL MATI	an No In No In I
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No./ 08), 7. ⊠ Examiner's	formal Patent Application (PTO-152) ummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allowance

3.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The amended abstract filed 5/9/05 has an error, that is "?" in the equation has to be replaced with an - - x - -; and the primary transfer means has been changed to be consistent with the primary transfer unit as previously mentioned in line 2 of the abstract filed 5/9/05. This amendment is to correct the errors.

The application has been amended as follows:

Replace the abstract that is attached on the last page of this examiner's amendment.

The following is an examiner's statement of reasons for allowance:

The primary reason for allowance of claims 1-6 is the inclusion of a primary transfer means or device; an intermediate transfer member; a second transfer means or device; and a contact member that is electrically grounded and first contacts the intermediate transfer member downstream of the primary transfer portion in the moving direction of the intermediate transfer member. The following relation:

$$-2.0 \le \ln (Vtr) - L / (s \times log \rho) \le -1.0$$

is satisfied. L (mm) represents the distance from the primary transfer portion to a position where the contact member first contacts the intermediate transfer member. Vtr (V) represents the absolute value of applied voltage to the primary transfer means or

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device; s (mm/sec) represents the moving speed of the intermediate transfer member, and $\rho(\Omega/\Box)$ represents the surface resistivity of the intermediate transfer member.

This is found in all of claims 1-6, but not disclosed nor suggested by the prior art of record.

The primary reason for allowance of claims 7 and 8 is the inclusion of a primary transfer means; an intermediate transfer member; a second transfer means; and a contact member that is electrically grounded and first contacts the intermediate transfer member downstream of a last primary transfer portion in the moving direction of the intermediate transfer member. The following relation:

$$-2.0 \le \ln (Vtr) - L / (s \times \log \rho) \le -1.0$$

is satisfied. L (mm) represents the distance from a last primary transfer portion to a position where the contact member first contacts with the intermediate transfer member. Vtr (V) represents the absolute value of applied voltage to the primary transfer means at the last primary transfer portion; s (mm/sec) represents the moving speed of the intermediate transfer member, and $\rho(\Omega/\Box)$ represents the surface resistivity of the intermediate transfer member.

This is found in all of claims 7 and 8, but not disclosed nor suggested by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan S. Lee whose telephone number is 571-272-2137. The examiner can normally be reached on Mon. - Fri., 10:30-8:00, Second Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Art Grimley can be reached on 571-272-2136 or 571-272-2800 (Ext. 52). The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner

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ABSTRACT OF THE DISCLOSURE

An image formation apparatus has an image formation unit that forms toner images on an image holding member. A primary transfer unit transfers toner images on the image holding member onto an intermediate transfer member. A secondary transfer unit transfers toner images on the intermediate transfer member onto a recording medium. An electrically-grounded contact member first comes into contact with the intermediate transfer member downstream from a primary transfer portion. The relationship

$$-2.0 \le \ln (Vtr) - L / (s \times log \rho) \le -1.0$$

is satisfied, in which L (mm) represents the distance from the primary transfer portion to a position where the intermediate transfer member first comes into contact with the contact member, Vtr (V) represents the absolute value of applied voltage to the primary transfer means unit, s (mm/sec) represents the moving speed of the intermediate transfer member, and $\rho(\Omega/\Box)$ represents the surface resistivity of the intermediate transfer member.